

<110> alcedo biotech GmbH

<120> Use of HMGB, HMGN, HMGA proteins

<130> A 10009 PCT

<160> 64

<170> PatentIn version 3.1

<210> 1

<211> 107

<212> PRT

<213> Homo sapiens

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Met Ser Glu Ser Ser Ser Lys Ser Ser Gln Pro Leu Ala Ser Lys Gln  
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Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln  
20 25 30

Pro Pro Val Ser Pro Gly Thr Ala Leu Val Gly Ser Gln Lys Glu Pro  
35 40 45

Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly Ser  
50 55 60

Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr Thr Thr Thr Pro Gly  
65 70 75 80

Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu Lys Glu Glu Glu  
85 90 95

Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln  
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<213> Homo sapiens

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Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln  
20 25 30

Pro Pro Lys Glu Pro Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly  
35 40 45

Arg Pro Lys Gly Ser Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr  
50 55 60

Thr Thr Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu  
65 70 75 80

Lys Glu Glu Glu Glu Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln  
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<213> Homo sapiens

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

PCT\_EP\_04\_00030\_sequence listing.txt

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Glu Glu  
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Thr Glu Glu Thr Ser Ser Gln Glu Ser Ala Glu Glu Asp  
100 105

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<213> Homo sapiens

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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp

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<213> Homo sapiens

<400> 5

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Glu Glu Phe Tyr Ile Ala Ala  
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<213> Homo sapiens

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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Pro Thr Ile Ala Leu Cys Thr His Trp Ile Asn Ile Cys  
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PCT\_EP\_04\_00030\_sequence listing.txt

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Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg  
35 40 45

Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala  
50 55 60

Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro  
65 70 75 80

Pro Lys Gly Glu Thr Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys  
85 90 95

Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys  
100 105 110

Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys  
115 120 125

Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr  
130 135 140

Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala  
145 150 155 160

Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val  
165 170 175

Lys Ala Glu Lys Ser Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu  
180 185 190

Asp Glu Glu Asp Glu Glu Glu Glu Asp Glu Glu Asp Glu Asp Glu  
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Glu Glu Asp Asp Asp Asp Glu  
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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Ala Gly Val Gln Trp Tyr Asn Leu Gly Ser Leu Gln Pro  
85 90 95

Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu Arg Leu Leu Ser Ser  
100 105 110

Trp Asp Tyr Arg His Pro Pro Pro His Pro Ala Asn Phe Cys Ile Phe  
115 120 125

Ser Arg Asp Arg Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Thr Pro  
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Asp Leu Arg  
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PCT\_EP\_04\_00030\_sequence listing.txt

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20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Asp Asn Leu Leu Pro Arg Thr Ser Ser Lys Lys Thr  
85 90 95

Ser Leu Gly Asn Ser Thr Lys Arg Ser His  
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<213> Homo sapiens

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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

PCT\_EP\_04\_00030\_sequence\_listing.txt  
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<212> PRT

<213> Homo sapiens

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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Tyr Ser  
85 90 95

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<213> Homo sapiens

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

PCT\_EP\_04\_00030\_sequence listing.txt

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Val Asn  
85 90 95

Val Ala Leu Pro Gly Lys Asp His Pro Gly Asn Leu Ile Tyr Leu Leu  
100 105 110

Phe Ser Lys Asn Ala Thr  
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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Asp  
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PCT\_EP\_04\_00030\_sequence listing.txt

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<210> 15

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<213> Homo sapiens

<400> 15

Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly  
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<210> 16

<211> 12

<212> PRT

<213> Homo sapiens

<400> 16

Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys  
1 5 10

<210> 17

<211> 11

<212> PRT

<213> Homo sapiens

<400> 17

Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys  
1 5 10

<210> 18

<211> 11

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PCT\_EP\_04\_00030\_sequence listing.txt

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Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly  
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<210> 19

<211> 12

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<213> Homo sapiens

<400> 19

Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys  
1 5 10

<210> 20

<211> 11

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<400> 20

Pro Gln Lys Arg Gly Arg Gly Arg Pro Arg Lys  
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<210> 21

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Ser Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly  
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<210> 22

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PCT\_EP\_04\_00030\_sequence listing.txt

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<213> Homo sapiens

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Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro Arg Lys Trp Pro Gln Gln  
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Val Val Gln Lys Lys  
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<211> 78

<212> PRT

<213> Homo sapiens

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Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln  
1 5 10 15

Thr Cys Arg Glu Glu His Lys Lys His Pro Asp Ala Ser Val Asn  
20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser  
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala  
50 55 60

Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly

65 70 75

<210> 24

<211> 71

<212> PRT

<213> Homo sapiens

<400> 24

Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln Thr Cys Arg  
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5

PCT\_EP\_04\_00030\_sequence listing.txt  
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Glu Glu His Lys Lys His Pro Asp Ala Ser Val Asn Phe Ser Glu  
20 25 30

Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys Glu  
35 40 45

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu  
50 55 60

Arg Glu Met Lys Thr Tyr Ile  
65 70

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<211> 73

<212> PRT

<213> Homo sapiens

<400> 25

Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln  
1 5 10 15

Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn  
20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser  
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala  
50 55 60

Arg Tyr Glu Arg Glu Met Lys Thr Tyr  
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<211> 75

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<213> Homo sapiens

<400> 26

PCT\_EP\_04\_00030\_sequence listing.txt

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser  
1 5 10 15

Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly  
20 25 30

Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp  
35 40 45

Asp Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr  
50 55 60

Glu Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly  
65 70 75

<210> 27

<211> 69

<212> PRT

<213> Homo sapiens

<400> 27

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg  
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Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala  
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln  
35 40 45

Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp  
50 55 60

Ile Ala Ala Tyr Arg  
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PCT\_EP\_04\_00030\_sequence listing.txt

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg  
1 5 10 15

Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala  
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln  
35 40 45

Pro

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<211> 181

<212> PRT

<213> Homo sapiens

<400> 29

Glu Glu His Lys Lys Lys Asn Pro Asp Ala Ser Val Lys Phe Ser Glu  
1 5 10 15

Phe Leu Lys Lys Cys Ser Glu Thr Trp Lys Thr Ile Phe Ala Lys Glu  
20 25 30

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala His Tyr Glu  
35 40 45

Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Lys Lys Lys Lys  
50 55 60

Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Leu Ala Phe Phe Leu  
65 70 75 80

Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu  
85 90 95

Ser Ile Asp Asp Val Val Lys Lys Leu Ala Gly Met Trp Asn Asn Thr  
100 105 110

Ala Ala Ala Asp Lys Gln Phe Tyr Glu Lys Lys Ala Ala Lys Leu Lys  
115 120 125

Glu Lys Tyr Lys Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly Lys Pro  
130 135 140

PCT\_EP\_04\_00030\_sequence listing.txt

Asn Ser Ala Lys Lys Arg Val Val Lys Ala Glu Lys Ser Lys Lys Lys  
145 150 155 160

Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Gln Glu Glu Glu Asn Glu  
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Glu Asp Asp Asp Lys  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Asn Thr Leu Glu Gln Cys Asn Val Cys Ser Lys Pro Ile  
85 90 95

Met Glu Arg Ile Leu Arg Ala Thr Gly Lys Ala Tyr His Pro His Cys  
100 105 110

Phe Thr Cys Val Met Cys His Arg Ser Leu Asp Gly Ile Pro Phe Thr  
115 120 125

Val Asp Ala Gly Gly Leu Ile His Cys Ile Glu Asp Phe His Lys Lys  
130 135 140

Phe Ala Pro Arg Cys Ser Val Cys Lys Glu Pro Ile Met Pro Ala Pro  
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145 150 PCT\_EP\_04\_00030\_sequence listing.txt 155 160

Gly Gln Glu Glu Thr Val Arg Ile Val Ala Leu Asp Arg Asp Phe His  
165 170 175

Val His Cys Tyr Arg Cys Glu Asp Cys Gly Gly Leu Leu Ser Glu Gly  
180 185 190

Asp Asn Gln Gly Cys Tyr Pro Leu Asp Gly His Ile Leu Cys Lys Thr  
195 200 205

Cys Asn Ser Ala Arg Ile Arg Val Leu Thr Ala Lys Ala Ser Thr Asp  
210 215 220

Leu  
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<212> DNA

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PCT\_EP\_04\_00030\_sequence\_listing.txt

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<212> DNA

<213> Homo sapiens

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	ccaacaccta	agagacctcg	gggcccacca	aagggaaagca	aaaacaaggg	tgctgccaag	180
	acccggaaaa	ccaccacaac	tccaggaagg	aaaccaaggg	gcagacccaa	aaaactggag	240
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<210> 35

<211> 4111

<212> DNA

<213> Homo sapiens

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tagcagcccg	tccccctccg	actctccgg	gccgccgt	cctgctcccg	ccaccctagg	180
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gattgtactt tgaatcgctt gcttggaa aatatttctc tagtgtatta tcactgtctg 4080

ttctgcacaa taaacataac agcctctgtg a 4111

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<211> 330

<212> DNA

<213> Homo sapiens

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ggtgaggccct ctccctaagag acccagggg aagcccaaag gcagcaaaaa caagagtccc 180

tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggccagacct 240

aggaaatggc cacaacaagt tgttcagaag aagcctgctc aggaggaaac tgaagagaca 300

tcctcacaag agtctgccga agaggactag 330

<210> 37

<211> 252

<212> DNA

<213> Homo sapiens

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gcggccgc ctcagaagag aggacgcggc cgccccagga agcagcagca agaaccaacc 120

ggtgaggccct ctccctaagag acccagggg aagcccaaag gcagcaaaaa caagagtccc 180

tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggccagacct 240

aggaaatggt ga 252

<210> 38

<211> 273

<212> DNA

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PCT\_EP\_04\_00030\_sequence listing.txt

<213> Homo sapiens

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ggtgaggccct ctccctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180  
tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240  
aggaaatggg aggagttta cattgcagct tag 273

<210> 39

<211> 291

<212> DNA

<213> Homo sapiens

<400> 39  
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gcggcccgcc ctcagaagag aggacgcggc cgccccagga agcagcagca agaaccaacc 120  
ggtgaggccct ctccctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180  
tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240  
aggaaatggc ctactattgc actttgcaca cactggataa acatctgctg a 291

<210> 40

<211> 1207

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> NCIB Accession No. NM\_002128

<400> 40  
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ggaaaaataa ctaaacatgg gcaaaggaga tcctaagaag ccgagaggca aaatgtcatc 120  
atatgcattt tttgtgcaaa cttgtcggga ggagcataag aagaagcacc cagatgttc 180

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gaaaacctat atccctccc aaggggagac aaaaaagaag ttcaaggatc ccaatgcacc	360
caagaggcct cttcggcct tttcccttt ctgctctgag tatcgccaa aatcaaagg	420
agaacatcct gcctgtcca ttggtgatgt tgcaagaaa ctgggagaga tgtggaataa	480
cactgctgca gatgacaagc agccttatga aaagaaggct gcgaagctga aggaaaaata	540
cgaaaaggat attgctgcat atcgagctaa aggaaagcct gatgcagcaa aaaagggagt	600
tgtcaaggct gaaaaaaagca agaaaaagaa ggaagaggag gaagatgagg aagatgaaga	660
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aaaaaaaaa	1207

&lt;210&gt; 41

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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caaacttgc gggaggagca taagaagaag cacccagatg cttcagtcaa cttctcagag	120
ttttcttctt aatgttcaga gaggttggaa accatgtctg ctaaagagaa aggaaaattt	180
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gccttcttcc tcttctgctc tgagtatcgc ccaaaaatca aaggagaaca tcctggcctg	360
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PCT\_EP\_04\_00030\_sequence listing.txt

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agcaagaaaa agaaggaaga ggaggaagat gaggaagatg aagaggatga ggaggaggag	600
gaagatgaag aagatgaaga tgaagaagaa gatgatgatg atgaataa	648

<210> 42

<211> 444

<212> DNA

<213> Homo sapiens

<400> 42 atgagcgcac gcggtgaggg cgccccgcag ccgtccactt cagcccaggg acaacctgcc	60
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ttcaagcaat tctcctgcct caggctcctg agtagttggg attacaggca cccaccacca	360
cacccagcta atttttgtat ttttagtaga gacagggttt caccatgttgc gccaggctgg	420
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<210> 43

<211> 321

<212> DNA

<213> Homo sapiens

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ggtgagccct ctccctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc	180
tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggtagacct	240
aggaaatggg acaatctact accaagaacc agctccaaga agaaaacatc tctggaaac	300
agtaccaaaa ggagtcaactg a	321

<210> 44

<211> 279

PCT\_EP\_04\_00030\_sequence listing.txt

<212> DNA

<213> Homo sapiens

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tctaaagcag ctcaaaaagaa agcagaagcc actggagaaaa aacggccaag aggtagacct 240  
aggaaatggt gttgctaat gaagagcccg tgctggta 279

<210> 45

<211> 291

<212> DNA

<213> Homo sapiens

<400> 45  
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ggtgagccct ctcctaagag acccaggggaa agacccaaag gcagcaaaaa caagagtccc 180  
tctaaagcag ctcaaaaagaa agcagaagcc actggagaaaa aacggccaag aggtagacct 240  
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<210> 46

<211> 357

<212> DNA

<213> Homo sapiens

<400> 46  
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ggtgagccct ctcctaagag acccaggggaa agacccaaag gcagcaaaaa caagagtccc 180  
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aggaaatggc cacaacaagt tgccagaag aagcctgctc agtcaatgt tgccttcct 300  
gggaaggacc acccgggcaa tcttatatat ctactgttct cttaaaatgc cacttag 357

PCT\_EP\_04\_00030\_sequence listing.txt

<210> 47

<211> 288

<212> DNA

<213> Homo sapiens

<400> 47  
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tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggtagacct 180  
aggaaatggc cacaacaagt tgttcagaag aagcctgctc aggactga 240  
288

<210> 48

<211> 33

<212> DNA

<213> Homo sapiens

<400> 48  
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<210> 49

<211> 33

<212> DNA

<213> Homo sapiens

<400> 49  
acacctaaga gacctcgaaaa ccgacccaaag gga 33

<210> 50

<211> 36

<212> DNA

<213> Homo sapiens

<400> 50

PCT\_EP\_04\_00030\_sequence listing.txt  
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36

<210> 51  
<211> 33  
<212> DNA  
<213> Homo sapiens

<400> 51  
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33

<210> 52  
<211> 33  
<212> DNA  
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<400> 52  
acacctaaga gacctcgggg ccgacccaaag gga

33

<210> 53  
<211> 36  
<212> DNA  
<213> Homo sapiens

<400> 53  
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36

<210> 54  
<211> 33  
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<213> Homo sapiens

<400> 54  
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33

<210> 55  
<211> 33

PCT\_EP\_04\_00030\_sequence listing.txt

<212> DNA

<213> Homo sapiens

<400> 55  
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<210> 56

<211> 63

<212> DNA

<213> Homo sapiens

<400> 56  
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aag 63

<210> 57

<211> 234

<212> DNA

<213> Homo sapiens

<400> 57  
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tcagagaggt ggaaggtaag agggcttaaa acatgctaac aaggttaatta aaagacagtt 180  
tccaaattgtag gatgcaaaaaa aaagcctagt tggcatttctc gtgtgggac gcta 234

<210> 58

<211> 213

<212> DNA

<213> Homo sapiens

<400> 58  
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aagaagcacc cagatgcttc agtcaacttc tcagagttt ctaagaagtgc ctcagagagg 120  
tggaagacca tgtctgctaa agagaaagga aaatttgaag atatggcaa ggcggacaag 180

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<210> 59  
<211> 219  
<212> DNA  
<213> Homo sapiens  
  
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tcagagaggt ggaagaccat gtctgctaaa gagaaaggaa aatttgaaga tatggcaaag 180  
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<210> 60  
<211> 225  
<212> DNA  
<213> Homo sapiens  
  
<400> 60  
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atgtggaata acactgctgc agatgacaag cagccttatg aaaagaaggc tgcgaagctg 180  
aaggaaaaat acgaaaagga tattgctgca tatcgagcta aagga 225  
  
<210> 61  
<211> 207  
<212> DNA  
<213> Homo sapiens  
  
<400> 61  
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aacactgctg cagatgacaa gcagccttat gaaaagaagg ctgcgaagct gaaggaaaa 180  
tacgaaaagg atattgctgc atatcga 207

PCT\_EP\_04\_00030\_sequence listing.txt

<210> 62

<211> 147

<212> DNA

<213> Homo sapiens

<400> 62  
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ggagaacatc ctggcctgtc cattggtgat gttgcgaaga aactgggaga gatgtggaat 120  
aacactgctg cagatgacaa gcagcct 147

<210> 63

<211> 546

<212> DNA

<213> Homo sapiens

<400> 63  
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PCT\_EP\_04\_00030\_sequence listing.txt

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